FloorFORT FS-80

Fiber reinforced floor screed

FLOORFORT-FS80 is a pre-packaged screeding mix based on Portland cement, synthetic fibers, specially graded aggregates plus a blend of synergistic admixtures. FLOORFORT-FS80 is ready to use on site and when mixed with water produces a trowel able floor screed which is applied to new or existing concrete. The mix design is readily mixed to produce a screeding consistency that is easily applied and finished. The cured material develops high ultimate compressive and mechanical strengths.



FEATURES

- Easy to use- Simple application familiar to site operations
- Superior workability
- Increased impermeability
- Chloride free
- VOC comply with GREEN building requirements.

APPLICATION FIELD

- Levelling concrete floors prior to the floor finishes
- Suitable for residential and commercial flooring
- For institutions, hotels, apartments, hyper markets and industrial flooring
- Food and beverage facilities flooring

PRODUCT DATA

Appearance		Grey powder
Grain size		< 5 mm
Compressive strength	ASTM C109	> 50 MPa @ 28 days
Flexural strength		≥ 8 MPa
Recommended layer thickness (1)		30 – 80 mm
Shrinkage (28 days)		< 0.6 mm/m
Wet density	BSEN 12350-6	2.2 kg/L
Water addition		18% by weight

engineered to perform

INSTRUCTIONS FOR USE
SUBSTRATE PREPARATION

- All surfaces should be clean, dry, and free from grease, laitance, oil, dust, paint and any other substance that may prevent or reduce adhesion.
- Remove all weak, loose, smooth or broken pieces of concrete, until reaching a sound rough concrete. This can be achieved primarily by shot-blasting otherwise by medium scarifying or grinding.
- Soft strips to be fixed as a separation between the walls / columns and the screed before proceeding with the application.
- Exposed and corroded rebar should be primed by suitable product from Organix

PRODUCT PREPARATION

Mix a 25 kg FLOORFORT-FS80 bag with 4.5 liters of water and mix with a concrete mixer or a mixing machine. Excess water weakens the strength and increase shrinkage; therefore, water must not be overdosed. Mix for around 2 minutes until lumps free mix is obtained. Make sure that the mixed material has a temperature not exceeding 30 °C (use ice if necessary to cool down water). Allow the material to rest for 1 minute. Then mix it for 30 sec. For 50 Kg bag mix with 9 Liters of water

PRODUCT APPLICATION

- Limit the work areas into manageable sections for maximum 25 m². Reduce the width of the work area when applying in warmer temperatures.
- Pour the mixed material onto the prepared surface, then immediately spread it with a large metal trowel to aid in leveling the surface
- Always keep a wet edge of material to pour fresh material into.
- Protect the material from wind and direct sunlight during and after installation
- Cover the freshly applied screed with a plastic sheet for 7 days as soon as the it becomes walkable alternatively should be cured with wet burlap or suitable curing agent to avoid rapid surface drying
- Ideal application temperature is between +5 °C and + 45 °C.

PRECAUTIONS

- It is preferable to subdivide the total area of application in smaller ones not exceeding 25 m² each in order to facilitate the application of FLOORFORT-FS80.
- All existing movement/expansion joints in the base should be maintained and continued through the FLOORFORT-FS80.
- In case of corridors, it is recommended to fix control joints on each 15 linear meters and in each connection between corridor and room. The joints should be sealed with sealflex PU.
- In hot and dry weather, it is preferable to apply the product early morning or late afternoon.
- Avoid work under heavy windy condition where the product may dry fast and cracks might appear.
- All the opening (windows, doors) should be closed in order to reduce the effect of wind during the application and while the applied area still fresh. Any applied materials should be protected from sun light
- After usage, clean tools with water. It is recommended to use protective gloves. In case of contact with the eyes, clean thoroughly with water.
- Do not add more water to a mix which has already begun to set.
- Wait for minimum 7 days before applying an overlayment.
  For additional information, please contact our technical support department or one of our Sales Engineers.

PACKAGE : 25 Kg and 50 Kg

STORAGE AND TRANSPORTATION

FS- 80, when stored on pallets in a dry, cool area, free from moisture and direct sunlight, has a shelf life of 24 months minimum.

SAFETY & PRECAUTIONS: Although this is a safe to use product it is recommended that you follow good safety and hygiene practices. It is solvent free and contains no VOC's and is considered safe to use. Wearing of gloves is recommended and goggles against splashes. Good ventilation is recommended and avoid contact with skin, eyes and mouth. Refer to products Material Safety Data Sheet for full safety data. DRYGUARD is non-toxic and safe to use.

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ORGANIX BUILDING SYSTEM
Dubai – United Arab Emirates
Email : info@organixbs.com
www.organixbs.com